

ABSTRACT

In accordance with a peak frequency $f_1[t-nT]$ of a first projecting portion at a predetermined timing $t-nT$, a center frequency $fr[t]$ of peak frequencies of first and second projecting portions at the current measurement timing t is predicted, and $f_1[t]$ and $f_2[t]$ in which $(f_1[t]+f_2[t])/2$ approximates the predicted $fr[t]$ is extracted as a pair candidate. In addition, $f_1[t]$ and $f_2[t]$ in which Doppler shift frequency is substantially equal to a Doppler shift frequency calculated from the peak frequency $f_1[t-nT]$ of the first projecting portion and the peak frequency $f_2[t-nT]$ of the second projecting portion are selected.